

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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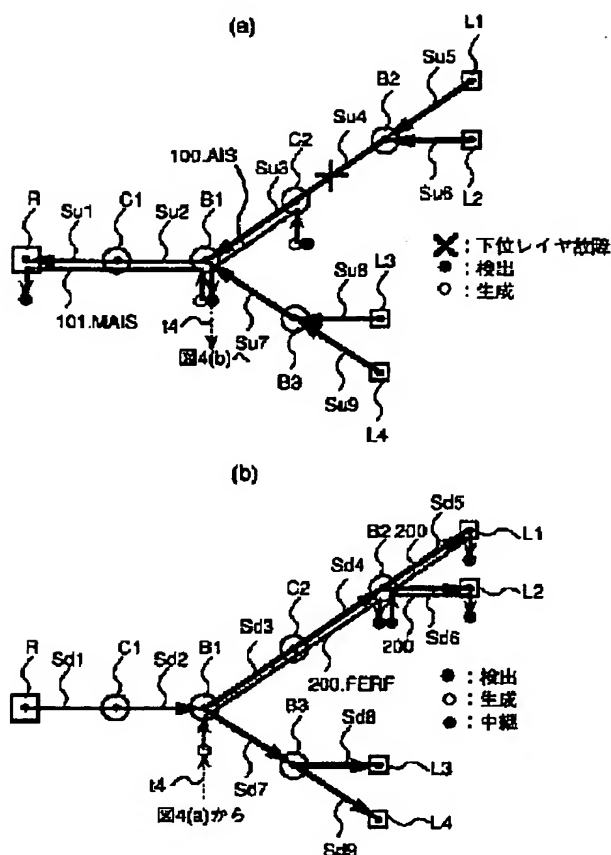
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TITLE : FAULT NOTICE METHOD AND NODE EQUIPMENT IN MULTI-POINT ATM NETWORK



ABSTRACT : PURPOSE: To provide a fault notice method and a node equipment detecting correctly the fault of transmission connection in a multi-point ATM network.

CONSTITUTION: When a connecting point C2 at which detects the fault of a subordinate layer is not a branch point (summing point of connection), the point C2 sends a 1st fault notice signal AIS100 to a downstream points. When a connecting point B1 receiving the AIS cell is a branch point, that is, connection summing point, the connecting point B1 terminates the AIS cell and sends a MAIS cell being a pseudo fault notice signal in place of the AIS cell to subordinate connecting points and returns a 2nd fault notice signal FERF200 to reverse connecting points. Each of subordinate connecting points C2, B2 transfers the received MAIS cell to downstream connecting points without any processing and the MAIS cell is terminated at end points (leaf) L1, L2. Thus, the leaf points L1, L2 detect the fault of the transmission connection. Thus, the possibility of detection of erroneous transmission connection fault is precluded not by transferring the FERF cell to leaf connecting points L3, L4.

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